

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P675351

Luminaire Tested: **CCW-SA-2C-850-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675351
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-850-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

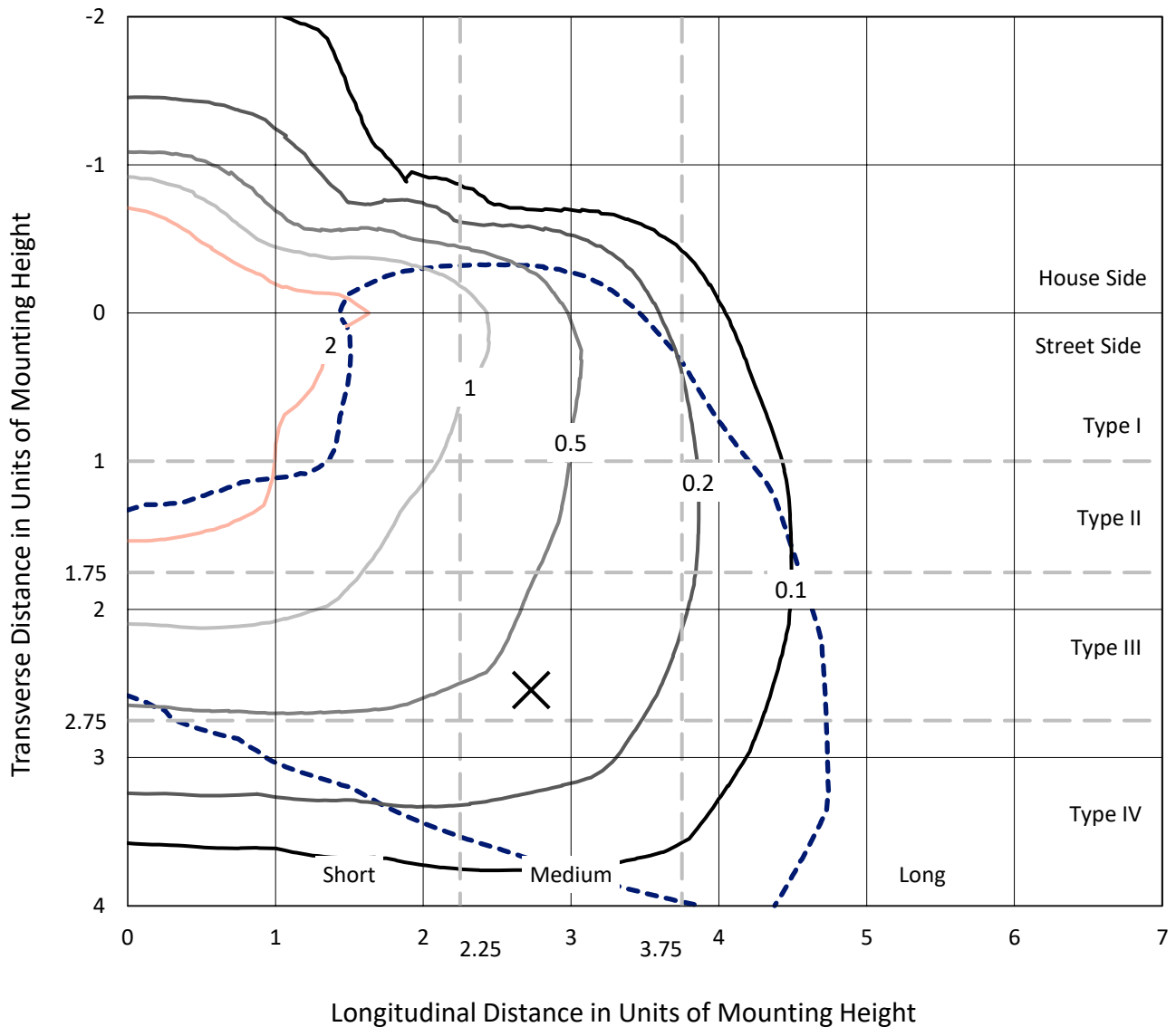
Lumens per Lamp: N/A
Luminaire Lumens: 7959.2 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

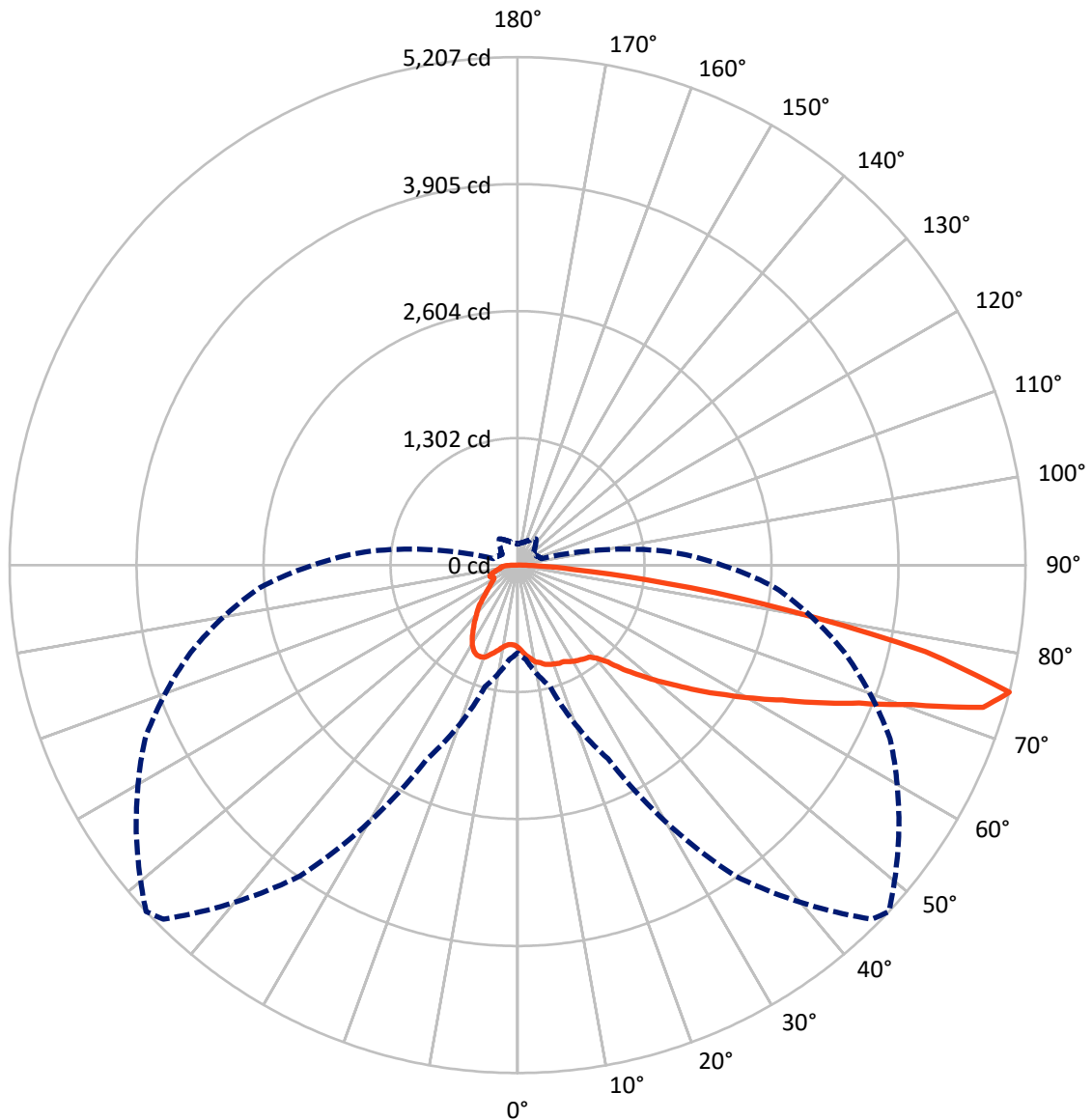
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1903.4	0.0	1903.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6055.8	0.0	6055.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	7959.2	0.0	7959.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.1
10°-20°	283.7	3.6
20°-30°	485.9	6.1
30°-40°	679.9	8.5
40°-50°	948.0	11.9
50°-60°	1417.0	17.8
60°-70°	2043.0	25.7
70°-80°	1739.1	21.8
80°-90°	277.0	3.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7959.2	100.0
0°-180°	7959.2	100.0

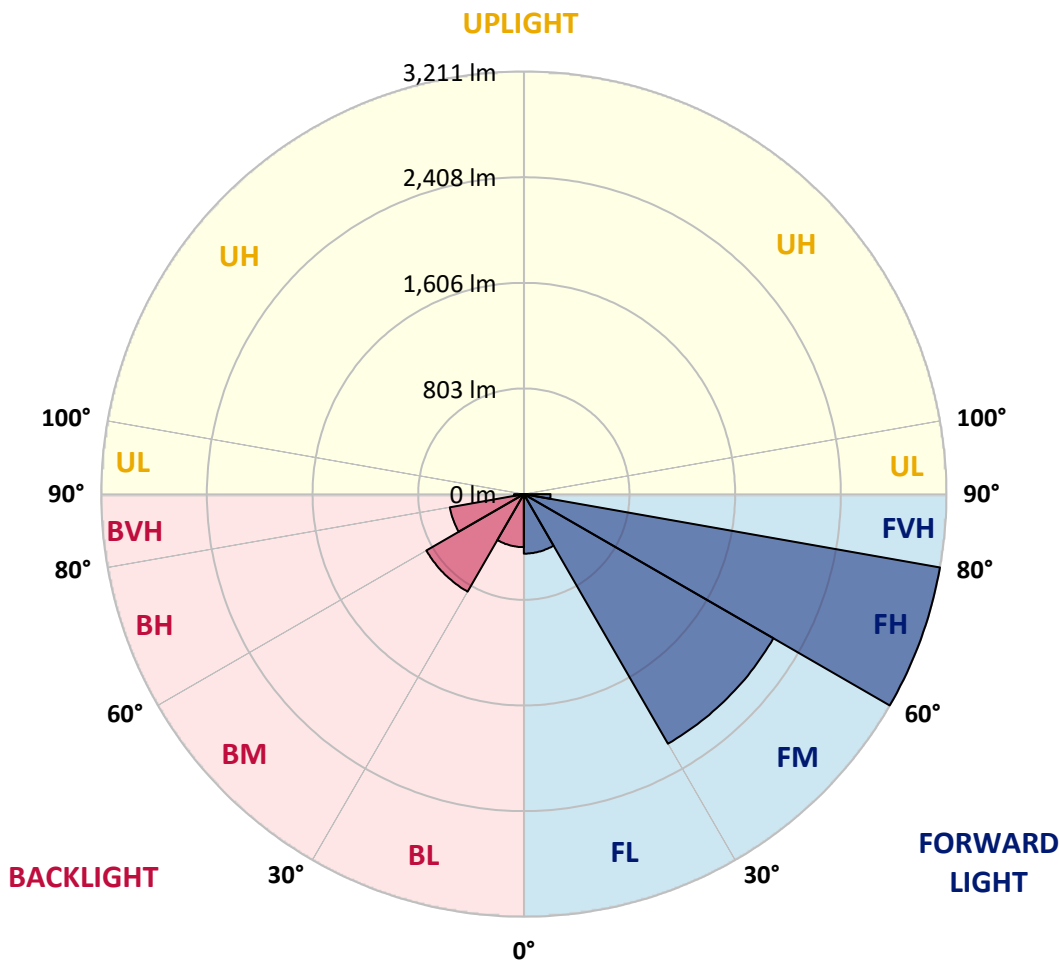


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.2	5.7			
FM (30°-60°)	2189.5	27.5			
FH (60°-80°)	3211.1	40.3			G2/5000
FVH (80°-90°)	203.0	2.6			G2/225
BL (0°-30°)	402.9	5.1	B1/500		
BM (30°-60°)	855.5	10.7	B1/1000		
BH (60°-80°)	571.0	7.2	B2/1000		G2/1000
BVH (80°-90°)	74.1	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1
2.5°	906.1	909.0	909.0	903.2	897.4	885.8	885.8	874.1	868.3	853.8	848.0
5°	990.3	981.6	972.9	970.0	955.5	935.1	932.2	920.6	888.7	874.1	853.8
7.5°	1051.3	1048.4	1045.5	1033.9	1007.7	975.8	967.1	949.7	917.7	888.7	865.4
10°	1100.7	1112.3	1100.7	1074.5	1048.4	1013.5	1010.6	978.7	949.7	914.8	885.8
12.5°	1155.8	1158.8	1138.4	1106.5	1065.8	1036.8	1025.2	1013.5	981.6	952.6	909.0
15°	1193.6	1187.8	1173.3	1129.7	1083.2	1054.2	1057.1	1042.6	1007.7	987.4	940.9
17.5°	1193.6	1193.6	1170.4	1138.4	1097.8	1071.6	1071.6	1062.9	1039.7	1010.6	978.7
20°	1170.4	1170.4	1155.8	1138.4	1092.0	1086.1	1080.3	1074.5	1074.5	1048.4	1001.9
22.5°	1141.3	1135.5	1141.3	1112.3	1080.3	1086.1	1094.9	1092.0	1083.2	1060.0	1028.1
25°	1112.3	1115.2	1121.0	1100.7	1071.6	1097.8	1094.9	1109.4	1103.6	1086.1	1060.0
27.5°	1109.4	1115.2	1118.1	1097.8	1086.1	1109.4	1121.0	1135.5	1138.4	1121.0	1089.1
30°	1152.9	1150.0	1147.1	1121.0	1112.3	1132.6	1144.2	1164.6	1182.0	1144.2	1118.1
32.5°	1266.2	1248.8	1231.4	1161.7	1135.5	1150.0	1161.7	1190.7	1193.6	1173.3	1135.5
35°	1446.3	1434.6	1376.6	1254.6	1182.0	1167.5	1179.1	1199.4	1205.2	1190.7	1161.7
37.5°	1652.5	1646.6	1565.3	1417.2	1277.8	1208.1	1196.5	1225.5	1248.8	1216.8	1176.2
40°	1855.7	1832.5	1774.4	1629.2	1399.8	1269.1	1254.6	1269.1	1277.8	1254.6	1228.5
42.5°	2038.7	2012.6	1998.0	1852.8	1559.5	1370.8	1359.1	1324.3	1350.4	1321.4	1286.5
45°	2192.6	2186.8	2181.0	2056.1	1742.5	1536.3	1527.6	1437.5	1466.6	1443.4	1394.0
47.5°	2303.0	2329.1	2320.4	2250.7	1951.6	1713.4	1687.3	1571.1	1614.7	1591.5	1542.1
50°	2433.7	2448.2	2439.5	2393.0	2146.2	1916.7	1867.4	1748.3	1797.7	1794.8	1768.6
52.5°	2549.8	2593.4	2544.0	2541.1	2425.0	2137.4	2053.2	1940.0	2021.3	2053.2	2050.3
55°	2686.3	2721.2	2706.7	2700.8	2674.7	2352.4	2276.8	2140.3	2276.8	2323.3	2364.0
57.5°	2802.5	2799.6	2854.8	2921.6	2953.5	2599.2	2509.2	2349.4	2555.6	2607.9	2721.2
60°	2854.8	2904.1	2997.1	3165.5	3255.5	2863.5	2770.5	2642.8	2837.3	2878.0	3087.1
62.5°	2889.6	2933.2	3113.2	3397.8	3450.1	3133.6	3046.4	2918.7	3145.2	3174.2	3485.0
65°	2793.8	2834.4	3191.6	3485.0	3670.8	3424.0	3403.6	3270.1	3453.0	3470.4	3903.2
67.5°	2683.4	2727.0	3124.9	3595.3	3964.1	3810.2	3778.3	3618.6	3758.0	3737.6	4222.6
70°	2488.8	2546.9	2953.5	3691.2	4289.4	4350.4	4286.5	4060.0	4074.5	3882.8	4237.1
72.5°	1896.4	1934.2	2311.7	3310.7	4440.4	5099.7	4989.3	4536.3	4370.7	3911.9	3740.5
75°	900.3	970.0	1289.4	2189.7	3891.5	5134.5	5207.1	4771.5	4213.9	3470.4	2651.5
77.5°	261.4	261.4	392.1	929.3	2439.5	4138.4	4274.9	4051.3	3476.3	2570.2	1394.0
80°	142.3	151.0	206.2	328.2	1071.6	2610.8	2808.3	2686.3	2047.4	1016.4	360.1
82.5°	81.3	84.2	136.5	197.5	487.9	1420.1	1536.3	1394.0	778.3	307.8	168.4
85°	46.5	49.4	78.4	130.7	290.4	522.7	569.2	493.7	313.6	206.2	84.2
87.5°	23.2	23.2	37.8	61.0	148.1	148.1	145.2	177.2	188.8	124.9	37.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1	845.1
2.5°	845.1	842.2	842.2	830.6	827.7	819.0	819.0	813.2	810.3	819.0	819.0
5°	848.0	833.5	830.6	819.0	821.9	816.1	827.7	821.9	819.0	819.0	816.1
7.5°	853.8	839.3	827.7	819.0	816.1	824.8	839.3	839.3	856.7	848.0	848.0
10°	868.3	859.6	845.1	839.3	839.3	848.0	865.4	877.0	891.6	891.6	882.9
12.5°	903.2	888.7	871.2	862.5	874.1	882.9	900.3	911.9	929.3	935.1	929.3
15°	929.3	914.8	909.0	903.2	911.9	923.5	938.0	949.7	970.0	975.8	972.9
17.5°	964.2	946.7	943.8	946.7	952.6	961.3	970.0	978.7	993.2	993.2	993.2
20°	981.6	975.8	972.9	981.6	993.2	1004.8	999.0	993.2	990.3	996.1	993.2
22.5°	1013.5	1007.7	1010.6	1019.4	1019.4	1013.5	1004.8	984.5	978.7	984.5	978.7
25°	1042.6	1036.8	1036.8	1031.0	1028.1	1007.7	990.3	972.9	952.6	961.3	958.4
27.5°	1071.6	1068.7	1068.7	1045.5	1016.4	981.6	958.4	938.0	926.4	940.9	932.2
30°	1106.5	1109.4	1094.9	1039.7	970.0	932.2	906.1	903.2	900.3	909.0	906.1
32.5°	1138.4	1141.3	1118.1	1031.0	935.1	862.5	836.4	839.3	853.8	868.3	882.9
35°	1155.8	1170.4	1141.3	1001.9	865.4	784.1	755.1	781.2	807.4	827.7	842.2
37.5°	1187.8	1225.5	1176.2	970.0	804.4	714.4	694.1	702.8	734.7	766.7	781.2
40°	1234.3	1277.8	1184.9	909.0	723.1	644.7	633.1	636.0	647.6	668.0	682.5
42.5°	1315.6	1362.0	1193.6	830.6	641.8	601.2	569.2	560.5	551.8	551.8	548.9
45°	1434.6	1478.2	1182.0	731.8	560.5	531.5	508.2	487.9	464.7	426.9	432.7
47.5°	1608.9	1643.7	1190.7	644.7	485.0	461.8	444.3	421.1	386.3	345.6	342.7
50°	1873.2	1820.9	1179.1	554.7	429.8	409.5	395.0	363.0	322.4	293.3	290.4
52.5°	2181.0	2076.5	1167.5	479.2	383.3	365.9	354.3	319.5	281.7	267.2	264.3
55°	2552.7	2401.7	1184.9	412.4	348.5	334.0	322.4	290.4	261.4	249.8	246.9
57.5°	2991.3	2753.1	1280.7	360.1	310.7	304.9	302.0	275.9	249.8	241.0	238.1
60°	3403.6	3090.0	1344.6	322.4	275.9	281.7	287.5	275.9	246.9	241.0	241.0
62.5°	3749.2	3368.8	1243.0	290.4	258.5	275.9	302.0	293.3	281.7	287.5	281.7
65°	4054.2	3464.6	929.3	273.0	249.8	290.4	334.0	331.1	304.9	310.7	307.8
67.5°	4106.5	3348.5	607.0	258.5	243.9	319.5	374.6	339.8	287.5	287.5	278.8
70°	3888.6	3037.7	406.6	243.9	241.0	319.5	383.3	319.5	270.1	270.1	258.5
72.5°	3191.6	2427.9	313.6	229.4	220.7	284.6	363.0	302.0	252.7	246.9	226.5
75°	2096.8	1565.3	255.6	217.8	191.7	249.8	328.2	278.8	241.0	223.6	214.9
77.5°	1028.1	702.8	214.9	191.7	165.5	217.8	299.1	264.3	226.5	209.1	203.3
80°	281.7	252.7	180.1	168.4	139.4	188.8	281.7	252.7	212.0	194.6	185.9
82.5°	159.7	156.8	145.2	136.5	116.2	188.8	284.6	252.7	200.4	197.5	168.4
85°	87.1	92.9	104.5	101.6	90.0	168.4	270.1	220.7	162.6	136.5	136.5
87.5°	34.8	43.6	52.3	58.1	61.0	124.9	203.3	168.4	124.9	104.5	104.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)